

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S): Xun Wilson Huang, Cristian Estan and Srinivasan Keshav
APPLICATION NO.: 09/747,687
FILING DATE: December 22, 2000
TITLE: Virtualizing Super-User Privileges for Multiple Virtual Processes
EXAMINER: Alvin E. Oberley
GROUP ART UNIT: 2126
ATTY. DKT. NO.: 21816-04953

CERTIFICATE OF MAILING

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Dated: 3/13/03

By: Jeffrey Brill
Jeffrey Brill, Reg. No.: 51,198

COMMISSIONER FOR PATENTS
WASHINGTON, DC. 20231

INFORMATION DISCLOSURE STATEMENT
Under 37 CFR §§ 1.56 and 1.97-98

SIR:

Pursuant to the provisions of 37 CFR §§ 1.56 and 1.97-98, enclosed herewith is modified form PTO/SB/08A listing references for consideration by the Examiner. Enclosed is a copy of each listed reference that may be material to the examination of this application, and for which there may be a duty to disclose.

The filing of this Information Disclosure Statement shall not be construed as a representation regarding the completeness of the list of references, or that inclusion of a reference in this list is an admission that it is prior art or is pertinent to this application, or that a search has been made, or as an admission that the information listed is, or may be considered to be, material to patentability, or that no other material information exists, and shall not be construed as an admission against interest in any manner.

This Information Disclosure Statement is being filed:

- ☒ within three months of the filing date of the application, or date of entry into the national stage of an international application, or before the mailing date of a first office action on the merits, whichever event last occurred;
- ☐ before the mailing of a first official action after the filing of a request for continued examination (RCE) under 37 CFR § 1.114;

- ☐ after three months of the filing date of this national application or the date of entry of the national stage in an international application, or after the mailing date of the first official action on the merits, whichever event last occurred, but before the mailing date of the first to occur of either: (1) a final action under 37 CFR §1.113; or (2) an action that otherwise closes prosecution in the application, and:
 - ☐ attached hereto is the fee set forth under 37 CFR §1.17(p) for submission of this Information Disclosure Statement under 37 CFR. § 1.97(c); OR
 - ☐ Applicant certifies pursuant to 37 CFR § 1.97(e) that:
 - ☐ each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement; OR
 - ☐ no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing this certification after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated under 37 CFR § 1.56(c) more than three months prior to the filing of this Statement;
- ☐ on or before the payment of the issue fee but after the mailing date of the first to occur of either: (1) a final action under 37 CFR § 1.113; or (2) an action that otherwise closes prosecution in the application, and:
 - ☐ Applicant certifies pursuant to 37 CFR. § 1.97(e) that:
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 - ☐ no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing this

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certification after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated under 37 CFR § 1.56(c) more than three months prior to the filing of this Statement; AND

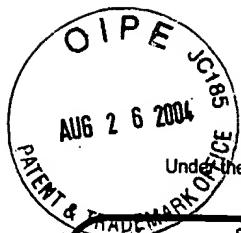
- ☐ attached hereto is the fee set forth under 37 CFR §1.17(p) for submission of this Information Disclosure Statement under 37 CFR. § 1.97(c); OR
- ☐ after the payment of the issue fee. Applicant requests that the information contained in this Information Disclosure Statement be placed in the file according to 37 CFR § 1.97(i), although the information may not be considered by the USPTO.
- ☐ This application relies, under 35 U.S.C. § 120, on the earlier filing date of prior application No. _____, filed on _____, and the references cited therein are hereby referenced, but are not required to be provided in this application under 37 CFR § 1.98(d).
- ☐ Each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application, and the communication was not received by any individual designated in 37 CFR § 1.56(c) more than thirty days prior to the filing of this Information Disclosure Statement. 37 CFR § 1.704(d).
- ☒ Applicant submits that no fee is required for the consideration of this Information Disclosure Statement.

Consideration of the listed references and favorable action are solicited.

Respectfully submitted,
XUN WILSON HUANG, CRISTIAN ESTAN
AND SRINIVASAN KESHAV

Dated: 3/13/03

By: Jeffrey Brill
Jeffrey Brill, Reg. No.: 51,198
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PTO/SB/08A (10-01)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Complete If Known

Application No.	09/747,687
Filing Date	December 22, 2000
First Named Inventor	Xun Wilson Huang
Art Unit	2126
Examiner Name	Alvin Oberley
Attorney Docket Number	21816-04953

Sheet 1 of 1

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document No. Number – Kind Code ² (if known)	Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
	A	5,528,753	06/18/1996	Fortin
	B	5,226,160	07/06/1993	Waldron et al.
		US-		
		US-		
		US-		
		US-		
		US-		
		US-		

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ – Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T ⁶
	C	WO 99/39261	08/05/1999	The Learning Company	

OTHER REFERENCES – NON-PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.); date, page(s), volume-issue number(s), publisher, city and/or country where published	T ⁶

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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609.

Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

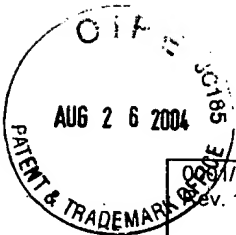
¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

21816/04953/DOCS/1328997.1

Date Mailed: 7/29/03 | Atty/Sec: SAT/dkc | Filing Date: December 22, 2000
Application No.: 09/747,687 | Docket No.: 21816-04953
Applicants: Xun Wilson Huang, et al.
Title: Virtualizing Super User Privileges for Multiple Virtual Processes
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Transmittal
IDS, PTO/SB/08A and cited references





TRANSMITTAL FORM <i>(to be used for all correspondence during pendency of filed application)</i>	Application Number	09/747,687	
	Filing Date	December 22, 2000	
	First Named Inventor	Xun Wilson Huang	
	Group Art Unit Number	2126	
	Examiner Name	Alvin Oberley	
Total Number of Pages in This Submission	6*	Attorney Docket Number	21816-04953

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SIGNATURE OF ATTORNEY OR AGENT	
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Attorney/Reg. No.:	Jeffrey Brill, Reg. No.: 51,198
Dated:	7/29/03

CERTIFICATE OF MAILING	
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Attorney Docket Number	21816-04953

Sheet

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of

2

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document No.		Name of Patentee or Applicant of Cited Document
		Number - Kind Code ² (if known)	Date MM-DD-YYYY	
	A	US-6,553,413	04-22-2003	Leighton et al.
	B	US-6,529,950	03-04-2003	Lumelsky et al.
	C	US-6,499,137	12-24-2002	Hunt
	D	US-6,487,578	11-29-2002	Ranganathan
	E	US-6,434,631	08-13-2002	Bruno et al.
	F	US-6,385,638	05-07-2002	Baker-Harvey
	G	US-6,363,053	03-26-2002	Schuster et al.
	H	US-6,353,616	03-05-2002	Elwalid et al.
	I	US-6,351,775	02-26-2002	Yu
	J	US-6,336,138	01-01-2002	Caswell et al.
	K	US-6,327,622	12-04-2001	Jindal et al.
	L	US-6,314,558	11-06-2001	Angel et al.
	M	US-6,286,047	09-04-2001	Ramanathan et al.
	N	US-6,282,703	08-28-2001	Meth et al.
	O	US-6,279,040	08-21-2001	Ma et al.
	P	US-6,279,039	08-21-2001	Bhat et al.
	Q	US-6,247,057	06-12-2001	Barrera
	R	US-6,240,463	05-29-2001	Benmohamed et al.
	S	US-6,230,203	05-08-2001	Koperda et al.
	T	US-6,172,981	01-09-2001	Cox et al.
	U	US-6,154,778	11-28-2000	Koistinen et al.
	V	US-6,154,776	11-28-2000	Martin
	W	US-6,108,701	08-22-2000	Davis et al.
	X	US-6,094,674	07-25-2000	Hattori, et al.
	Y	US-6,092,178	07-18-2000	Jindal et al.

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Signature

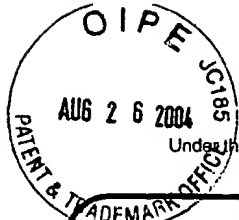
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¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

21816/04953/DOCS/1366509.1



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Examiner Name	Alvin E. Oberley
Attorney Docket Number	21816-04953

Sheet 2 of 2

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document No. Number – Kind Code ² (if known)	Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
	Z	US-6,055,617	04-25-2000	Kingsbury
	AA	US-6,038,609	03-14-2000	Geulen
	BB	US-6,038,608	03-14-2000	Katsumanta
	CC	US-5,999,963	12-07-1999	Bruno et al.
	DD	US-5,987,524	11-16-1999	Yoshida et al.
	EE	US-5,933,603	08-03-1999	Vahalia, et al.
	FF	US-5,915,095	06-22-1999	Miskowiec
	GG	US-5,905,859	05-18-1999	Holloway, et al.
	HH	US-5,799,173	08-25-1998	Gossler et al.
	II	US-5,719,854	02-17-1998	Choudhury et al.
	JJ	US-5,640,595	06-17-1997	Baughner et al.

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ – Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T ⁶

OTHER REFERENCES – NON-PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ⁶
	KK	Symbol Table, [online] copyright 1997, 1998, [Retrieved on April 4, 2003] Retrieved from the internet < URL: http://216.239.33.100/search?q=cache:eASXk8qC_-AC:www.caldera.com/developers/gabi/1998-04-29/ch4.s...], Pages 1-5	

Examiner Signature		Date Considered	
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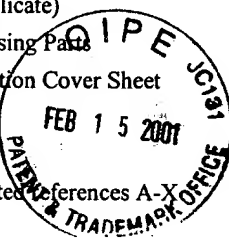
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Date Mailed: 2/12/01	Atty/Sec: JB/cck	Filing Date: December 22, 2000
Serial No. 09/747,687	Docket No.: 21816-04953	
Applicant: Xun Wilson Huang		
Title: Virtualizing Super-User Privileges for Multiple Virtual Processes		

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21816/04953/DOCS/1143354.1



PATENT

IN THE UNITED STATES
PATENT AND TRADEMARK OFFICE

APPLICANTS: Xun Wilson Huang, Cristian Estan, and Srinivasan Keshav
APPLICATION NO.: 09/747,687
FILING DATE: December 22, 2000
TITLE: Virtualizing Super-User Privileges for Multiple Virtual Processes
EXAMINER: Not yet known
GROUP ART UNIT: Not yet known
ATTY. DKT. NO.: 21816-04953

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Dated: 2/12/01

By: *Albert C. Smith*

Albert C. Smith, Reg. No.: 20,355

COMMISSIONER FOR PATENTS
WASHINGTON, DC. 20231

INFORMATION DISCLOSURE STATEMENT
Under 37 CFR §§ 1.56 and 1.97-98

SIR:

Pursuant to the provisions of 37 CFR §§ 1.56 and 1.97-98, enclosed herewith is modified form PTO-1449 listing references for consideration by the Examiner. A copy is enclosed herewith of each listed reference which may be material to the examination of this application, and with respect to which there may be a duty to disclose.

The filing of this Information Disclosure Statement shall not be construed as a representation regarding the completeness of the list of references, or that inclusion of a reference in this list is an admission that it is prior art or is pertinent to this application, or that a search has been made, or as an admission that the information listed is, or may be considered to be, material to patentability, or that no other material information exists, and shall not be construed as an admission against interest in any manner.

- ☐ This application relies, under 35 U.S.C. § 120, on the earlier filing date of prior application Serial No. [SERIAL NUMBER], filed on [FILING DATE], and the

references cited therein are hereby referenced, but are not required to be provided in this application under 37 CFR § 1.98(d).

The Information Disclosure Statement submitted herewith is being filed:

- ☒ within three months of the filing date of the application, or date of entry into the national stage of an international application, or before the mailing date of a first official action on the merits, whichever event last occurred; OR
- ☐ before the mailing of a first official action after the filing of a request for continued examination (RCE) under 37 CFR § 1.114;
- ☐ after three months of the filing date of this national application or the date of entry of the national stage in an international application, or after the mailing date of the first official action on the merits, whichever event last occurred, but before the mailing date of the first to occur of either:
 - (1) a final action under 37 CFR §1.113; OR
 - (2) a notice of allowance under 37 CFR §1.311; AND
 - ☐ attached hereto is the fee of \$180, as set forth under 37 CFR §1.17(p), for submission of this Information Disclosure Statement under 37 CFR. § 1.97(c); OR
 - ☐ Applicant certifies pursuant to 37 CFR § 1.97(e) that:
 - ☐ each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement; OR
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- ☐ Applicant hereby respectfully petitions for the consideration of the accompanying Information Disclosure Statement under 37 CFR § 1.97(d)(2); AND
- ☐ Applicant submits the petition fee of \$180 as set forth in 37 CFR § 1.17(p).

☒ Applicant submits that no fee is required for the consideration of the accompanying Information Disclosure Statement.

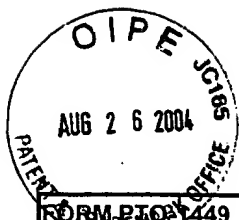
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Respectfully submitted,
XUN WILSON HUANG, CRISTIAN ESTAN,
AND SRINIVASAN KESHAV

Dated: 2/12/01

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Albert C. Smith, Reg. No.: 20,355
Fenwick & West LLP
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21816/04953/DOCS/1143348.1



PTO-1449 (REV. 6-89) INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)	U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office		Attorney's Docket No. 21816-04953	Serial No. 09/747,687
	Applicant Xun Wilson Huang et al.			
	Filing Date December 22, 2000		Group Art Unit Not yet known	

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
A	6 0 7 5 9 3 8	06/13/00	Bugnion et al.	395	500.48	06/10/98

FOREIGN PATENT DOCUMENTS

Document Number	Date	Country	Class	Subclass	Translation
					Yes No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

B	Keshav, S., <i>An Engineering Approach to Computer Networking: ATM Networks, the Internet, and the Telephone Network</i> , Reading, MA, Addison-Wesley, 1997, pp vii-xi, 85-115, 209-355, 395-444
C	Stevens, R. W., <i>UNIX Network Programming Volume 1 Networking APIs: Sockets and XTI</i> , Upper Saddle River, NJ, Prentice Hall, 1998, pp v-xiv, 29-53, 85-110, 727-760
D	Tanenbaum, A. S. and Woodhull, A. S., <i>Operating Systems: Design and Implementation</i> , Upper Saddle River, NJ, Prentice Hall, 1997, pp vii-xiv, 1-46, 401-454
E	Rubini, A., <i>LINUX Device Drivers</i> , Sebastopol, CA, O'Reilly & Associates, Inc., 1998, pp v-x, 13-40
F	Goyal, P., et al., "A Hierarchical CPU Scheduler for Multimedia Operating Systems," <i>Proceedings of the Second Symposium on Operating Systems Design and Implementations (OSDI'96)</i> , Seattle, WA, October 1996, 15 pages
G	Laurie, B. and Laurie, P., <i>Apache The Definitive Guide</i> , Sebastopol, CA, O'Reilly & Associates, Inc., February 1999, pp v-viii, 43-74
H	Aho, A. V. and Ullman J. D., <i>Principles of Compiler Design</i> , Reading, MA, 1977, pp vii-x, 359-362, 519-522
I	Jonsson, J., "Exploring the Importance of Preprocessing Operations in Real-Time Multiprocessor Scheduling," <i>Proc. of the IEEE Real-Time Systems Symposium - Work-in-Progress session</i> , San Francisco, CA, December 4, 1997, pp 31-34
J	Rusling, D. A., Processes, [online], [retrieved on 12-07-1999]. Retrieved from the Internet: <URL: http://www.cebaf.gov/~saw/linux/tlk-html/node44.html >
K	Rusling, D. A., Linux Processes, [online], [retrieved on 12-07-1999]. Retrieved from the Internet: <URL: http://www.cebaf.gov/~saw/linux/tlk-html/node45.html >
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Sheet 2 of 2

FORM PTO-1449 (REV. 6-89) INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)	U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office	Attorney's Docket No. 21816-04953	Serial No. 09/747,687
	Applicant Xun Wilson Huang		
	Filing Date December 22, 2000	Group Art Unit Not yet known	

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate

FOREIGN PATENT DOCUMENTS

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						Yes	No

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	P	Plummer, D. C., <i>An Ethernet Address Resolution Protocol -- or -- Converting Network Protocol Addresses to 48.bit Ethernet Address for Transmission on Ethernet Hardware</i> , November 1982, [online], [retrieved on 1-17-2000]. Retrieved from the Internet: <URL: http://www.msg.net/kadow/answers/extras/rfc/rfc826.txt >
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21816/04953/DOCS/1143350.1

Date Mailed: 2/26/01

Atty/Sec: JB/cck

Filing Date: December 22, 2000

Serial No. 09/747,687

Docket No.: 21816-04953

Applicant: Xun Wilson Huang et al.

Title: Virtualizing Super-User Privileges for Multiple Virtual Processes

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PATENT

IN THE UNITED STATES
PATENT AND TRADEMARK OFFICE

APPLICANTS: Xun Wilson Huang, Cristian Estan, and Srinivasan Keshav
APPLICATION NO.: 09/747,687
FILING DATE: December 22, 2000
TITLE: Virtualizing Super-User Privileges for Multiple Virtual Processes
EXAMINER: Not yet known
GROUP ART UNIT: Not yet known
ATTY. DKT. NO.: 21816-04953

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner For Patents, Washington, D.C. 20231, on the date shown below:

Dated: 2/26/01

By: A-C Smith

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COMMISSIONER FOR PATENTS
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INFORMATION DISCLOSURE STATEMENT
Under 37 CFR §§ 1.56 and 1.97-98

SIR:

Pursuant to the provisions of 37 CFR §§ 1.56 and 1.97-98, enclosed herewith is modified form PTO-1449 listing references for consideration by the Examiner. A copy is enclosed herewith of each listed reference which may be material to the examination of this application, and with respect to which there may be a duty to disclose.

The filing of this Information Disclosure Statement shall not be construed as a representation regarding the completeness of the list of references, or that inclusion of a reference in this list is an admission that it is prior art or is pertinent to this application, or that a search has been made, or as an admission that the information listed is, or may be considered to be, material to patentability, or that no other material information exists, and shall not be construed as an admission against interest in any manner.

- ☐ This application relies, under 35 U.S.C. § 120, on the earlier filing date of prior application Serial No. [SERIAL NUMBER], filed on [FILING DATE], and the

references cited therein are hereby referenced, but are not required to be provided in this application under 37 CFR § 1.98(d).

The Information Disclosure Statement submitted herewith is being filed:

- ☒ within three months of the filing date of the application, or date of entry into the national stage of an international application, or before the mailing date of a first official action on the merits, whichever event last occurred; OR
- ☐ before the mailing of a first official action after the filing of a request for continued examination (RCE) under 37 CFR § 1.114;
- ☐ after three months of the filing date of this national application or the date of entry of the national stage in an international application, or after the mailing date of the first official action on the merits, whichever event last occurred, but before the mailing date of the first to occur of either:
 - (1) a final action under 37 CFR §1.113; OR
 - (2) a notice of allowance under 37 CFR §1.311; AND
- ☐ attached hereto is the fee of \$180, as set forth under 37 CFR §1.17(p), for submission of this Information Disclosure Statement under 37 CFR. § 1.97(c); OR
- ☐ Applicant certifies pursuant to 37 CFR § 1.97(e) that:
 - ☐ each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement; OR
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Patent and Trademark Office

Attorney's Docket No.

21816-04953

Serial No.

09/747,687

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Applicant

Xun Wilson Huang et al.

Filing Date

December 22, 2000

Group Art Unit

Not yet known

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate

FOREIGN PATENT DOCUMENTS

Document Number	Date	Country	Class	Subclass	Translation
					Yes No

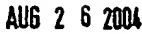
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E	Pending United States patent application entitled "Selective Interception of System Calls," serial number 09/499,098, filing date February 4, 2000
F	Pending United States patent application entitled "Dynamic Scheduling of Task Streams in a Multiple-Resource System to Ensure Task Stream Quality of Service," serial number 09/498,450, filing date February 4, 2000
G	Pending United States patent application entitled "Disambiguating File Descriptors," serial number 09/500,212, filing date February 8, 2000
H	Pending United States patent application entitled "Restricting Communication Between Network Devices on a Common Network," serial number 09/502,155, filing date February 11, 2000
I	Pending United States patent application entitled "Restricting Communication of Selected Processes to a Set of Specific Network Addresses," serial number 09/503,975, filing date February 14, 2000
J	Pending United States patent application entitled "Enabling a Service Provider to Provide Intranet Services," serial number 09/526,980, filing date March 15, 2000
K	Pending United States patent application entitled "Dynamically Modifying the Resources of a Virtual Server," serial number 09/569,371, filing date May 11, 2000
L	Pending United States patent application entitled "Regulating File Access Rates According to File Type," serial number 09/572,672, filing date May 16, 2000
M	Pending United States patent application entitled "Modifying Internal Components of a Running Operating System," serial number 09/576,393, filing date May 22, 2000
N	Pending United States patent application entitled "Associating Identifiers With Virtual Processes," serial number 09/611,877, filing date July 7, 2000
O	Pending United States patent application entitled "Fairly Partitioning Resources While Limiting the Maximum Fair Share," serial number 09/633,575 filing date August 7, 2000

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Serial No. 09/747,687

Applicant **Xun Wilson Hang et al.**

Filing Date	December 22, 2000	Group Art Unit	Not yet known
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[illegible][illegible]

	P	Pending United States patent application entitled "Intercepting I/O Multiplexing Operations Involving Cross-Domain File Descriptor Sets," serial number 09/664,914, filing date September 18, 2000
	Q	Pending United States patent application entitled "Virtualizing Port Addresses for Non-Conflicting Use by Multiple Virtual Processes," serial number 09/679,396, filing date October 3, 2000
	R	Pending United States patent application entitled "Intercepting Calls to Non-Local Procedures," serial number 09/687,031, filing date October 12, 2000
	S	Pending United States patent application entitled "Virtualizing Resource Ownership for Multiple Virtual Processes," serial number 09/747,664, filing date December 22, 2000

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